A.D. 1856 . . . . . N° 663.

SPECIFICATION

OF

JOHN LEIGHTON.

FIRE-PLACE AND SMOKE CONSUMER.

LONDON:
PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,
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1856.

A.D. 1856 . . . . . Nº 663.

Fire-place and Smoke Consumer.

(*This Invention received Provisional Protection, but notice to proceed with the application for Letters Patent was not given within the time prescribed by the Act.*)

PROVISIONAL SPECIFICATION left by John Leighton at the Office of the Commissioners of Patents, with his Petition, on the 20th March 1856.

I, John Leighton, of No. 40, Brewer Street, Golden Square, in the County of Middlesex, do hereby declare the nature of the said Invention for "A Luminous Fire-place and Self-Supplying Smoke Consumer," to be as follows:—

The intent of this Invention is to obtain cheapness, cleanliness, and comfort, with less attention than is required, for the ordinary smoky and wasteful fire.

The fire-place is constructed with a chamber at the back and sides for cooking, or coking the coals. This chamber is covered in at all parts except that in communication with the fire, consequently leaving no vent for the gas and bitumenous smoke but into the fire; and it will be found useful for steam engines, domestic fire, and all purposes where the consumption of smoke is desired.

The method for using for domestic purposes is to put a supply of coals into the coking chamber, which forms the back and sides of the fire-place, then make up a coke fire in front; "thus the coals of to-day will form coke for the morrow."

Leighton's Luminous Fire-place and Self-supplying Smoke Consumer.

The fire-place is also eligible for greenhouses or conservatories, &c. &c.; being simple and portable it may be put on a flat stone, or even ground, and set going without a chimney.

For locomotive or stationary engines, it may be modified to receive fuel at the top, back, or sides of the coking chamber, and have a flap door or sliding bottom to let the coke fall through when requisite. The flap door or sliding bottom is also useful for domestic purposes.

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